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10/8/99

United States Environmental Protection Agency
Pollution Report

EPA Region 5 Records Ctr.



306786

I. HEADINGS

DATE: October 8, 1999

SUBJECT: Pollution Report for the Lake Underground Storage Site,
Painesville Township, Lake County, Ohio

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POLREP #2 - OPA Funded Removal

Start Date: September 16, 1999

II. BACKGROUND

| | |
|---------------------------|----------------------|
| Site No: | FPN G99032 |
| NPL Status: | Non-NPL |
| Response Authority | OPA |
| State Notification: | OEPA |
| Completion Date: | TBD |
| Latitude: | 41°43'43.37" N |
| Longitude: | 81°16'43.29" W |
| CERCLA Incident Category: | Removal - OPA funded |

III. SITE INFORMATION

A. Incident Category: Removal-OPA funded

B. Site Description

1. Site location and background

Lake Underground Storage (LUS) site (a.k.a Nacelle Land Management Corporation) is a 73-acre, inactive brine facility located at 675 Lakeshore

Boulevard in Painesville Township, Lake County, Ohio. The site is located northwest of the city of Painesville and adjacent to Mentor Marsh State Nature Preserve, which empties into Lake Erie. A detailed description of the background can be found in the initial POLREP.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

On September 16, 1999, U.S. EPA mobilized ERRS and START contractors to the Lake Underground Storage site to address five abandoned aboveground storage tanks (four 30,000-gallon liquid propane tanks [LPG] and one 3,000-gallon storage tank) which contain approximately 70,000 gallons of weathered crude oil. In addition, the site has a 12-million gallon impoundment with approximately 1,000,000 gallons of oil-water mixture. The liner for the impoundment is torn in several locations and is covered with a thick layer of oily sludge. The facility has been abandoned for a number of years and is in extremely poor condition. Both the aboveground storage tanks and the impoundment present a substantial threat of discharge of oil into or upon the navigable water of the United States.

2. Removal actions to date:

From September 28th through October 1st, 1999, a total of five 25-cubic yard vacuum boxes, totaling 51.54 tons of waste oil, were transported to American Landfill for disposal. The total amount of waste oil disposed of to date from the 5 above ground storage tanks is 190.16 tons in eighteen loads.

On October 1, 1999, ERRS contractors remove as much of the waste oil from the 5 aboveground storage tanks as possible with the vacuum truck. The 4 vacuum boxes have returned from the landfill and are decontaminated on site prior to transport back to the supplier. Lake County Department of Utilities (LCDU) gave verbal approval to OSC Augustyn on October 1, 1999, to discharge accumulated rain water from the lagoon into the sewers from a manhole on Blackbrook Road until October 22, 1999.

October 4, 1999, ERRS worked to set up hoses to begin discharging accumulated rain water from the lagoon to the sewer located on Blackbrook Road. Crews also decontaminated a tank cut in half which was used to clean the vacuum truck. LCDU issued and delivered to site the permit to discharge the water in the lagoon to the sanitary sewer

October 5 through 8, 1999, ERRS remove the oil-soaked lining from the sides of the 12-million gallon impoundment and place into roll-off boxes for disposal. In addition, a cut is made into the northern end of the impoundment to gain access to the accumulation of sludge on the bottom. ERRS begin to research and test solidification of the lagoon sludges with on-site soils, dried clay and lime.

On October 7, 1999, LCDU representatives inspect and approve the setup to pumping water from the lagoon to the sanitary sewer on Blackbrook Road. The pumping of lagoon water is initiated and discharge to the sanitary sewers for the day totals 4,000 gallons. Estimates of discharge with the present system are approximately 1,000 gallons per hour. ERRS continue to remove liner from lagoon and test solidification of on-site sludges.

B. Next Steps

- Address the surface water, residual oil, and the contaminated sludges

- and sediments in the 12-million gallon impoundment.
- Remove the liner and dispose of it.
- Draft site-specific IAG is currently being reviewed by U.S. EPA Management for submission to USCG for funding of removal actions.

C. Key Issues

- None.

V. Cost Information

ERFS \$ 63,000 (to 10/05/99)
 EPA/USGC \$ 3,000 (to 9/27/99) 61.75 hours X 30 = 1,852.50 =
 \$4,852.50 (to 10/7/99)
 START \$ 9,075 (to 10/07/99)

WASTE DISPOSAL SUMMARY

LAKE UNDERGROUND STORAGE SITE PAINESVILLE TOWNSHIP, LAKE COUNTY, OHIO

| DATE | WASTE | MANIFEST# | BOX# | VOLUME | DISPOSAL |
|----------|------------------|-----------|--------|------------|-------------------|
| 9/20/99 | Waste Oil Sludge | 25063 | 276048 | 8.6 tons | American Landfill |
| 9/20/99 | Waste Oil Sludge | 25064 | 276209 | 11.0 tons | American Landfill |
| 9/20/99 | Waste Oil Sludge | 25065 | 276025 | 8.06 tons | American Landfill |
| 9/20/99 | Waste Oil Sludge | 25066 | 276050 | 7.26 tons | American Landfill |
| 9/21/99 | Waste Oil Sludge | 25067 | 276048 | 11.27 tons | American Landfill |
| 9/22/99 | Waste Oil Sludge | 25068 | 276209 | 13.64 tons | American Landfill |
| 9/22/99 | Waste Oil Sludge | 25069 | 276025 | 10.39 tons | American Landfill |
| 9/23/99 | Waste Oil Sludge | 25070 | 276025 | 16.62 tons | American Landfill |
| 9/23/99 | Waste Oil Sludge | 25071 | 276048 | 9.02 tons | American Landfill |
| 9/24/99 | Waste Oil Sludge | 25072 | 276050 | 7.42 tons | American Landfill |
| 9/24/99 | Waste Oil Sludge | 25073 | 276025 | 9.74 tons | American Landfill |
| 9/27/99 | Waste Oil Sludge | 25074 | 276048 | 14.05 tons | American Landfill |
| 9/27/99 | Waste Oil Sludge | 25075 | 276050 | 11.55 tons | American Landfill |
| 9/28/99 | Waste Oil Sludge | 25076 | 276209 | 11.17 tons | American Landfill |
| 9/28/99 | Waste Oil Sludge | 25077 | 276025 | 12.19 tons | American Landfill |
| 9/29/99 | Waste Oil Sludge | 25078 | 276048 | 10.71 tons | American Landfill |
| 9/29/99 | Waste Oil Sludge | 25079 | 276050 | 11.10 tons | American Landfill |
| 10/01/99 | Waste Oil Sludge | 25080 | 276025 | 6.37 tons | American Landfill |